

ABSTRACT OF THE DISCLOSURE

A cut-to-length heating system including a heating cable having a first conductor with a first resistivity and a second conductor with a second resistivity. The heating cable having a first end and a second end with the first conductor being electrically connected to the second conductor at the first end. The first resistivity substantially higher than the second resistivity.

- 5 An average power limiting device electrically connecting the first conductor and the second conductor at the second end.